Volume 3, Number 1, January-March 1989

Contents

Editorial										
Karamjit S. Gill	١									1
Shared Models:	The (Cognitiv	ve Equi	valent	of a Li	ngua F	ranca			
Robert W. Law	ler					* *				3
Pragmatism and	Puri	sm in A	Artificia	l Intell	igence	and Le	gal Rea	soning		
Richard Susskin	d					* * .			* *	28
In Search of the	Com	puter-a	ided C	raftsma	an					
Peter Brödner						* *			, .	39
Human Experts	and I	Expert	System	s: A Vi	ew from	m the S	hop-flo	or		
Gerald Heidegg	ger					44				47
Open Forum										
Doing What Co Cheep!										
David Smith				* *			* *			58
Preferences for										
Michael D. Coo										-
Eduardo Salas			* *		* *		* *	× +	* *	59
Artificial Intelli	gence:	New J	obs Fr	om Old	1					
Jay Liebowitz										61
Book Reviews						*.*	* *			71
Name Castian										72



Contents

Editorial									
Karamjit S. Gill									79
Human-centred Know	ledge B	ased Sy	ystems	Design	1				
Jon Young									80
Industrial Cultural De or Power Transfer?									
Felix Rauner and Kla	us Ruth								88
Working with Expert									
Peter Senker, Joe To	wnsend	and Jo	anna	Buckin	gham			• •	103
The Technological Ch	ange of	Reality	: Opp	ortunit	ies and	Dangers	6		
Wolfgang Bibel		• •		**					117
Decision Making, Condition Direction?	omputer	Attitu	udes,	and E	xpert	Systems:	What	is	Oui
Peter P. Mykytyn, Jr.									133
Open Forum									
Why Computers are !	Never Li	kely to	be Sr	narter	than P	eople			
Dr Peter J. Marcer									142
On Informatics and U	nderdev	elopm	ent						
Judith Sutz									140
Man, Machine and Ci	reativity								
Hans G. Andersson									155
Book Reviews									159
News Section									16.



Volume 3, Number 3, July-September 1989

Contents

Editorial									
Karamjit S. Gill .									16
Law, Liability and	Expert S	ystems							
Joseph A. Cannat	aci								16
Expert Systems an	d Comput	ter-Con	trolled	Decisio	on Mak	ing in	Medici	ne	
Barrie Lipscombe									18
Automate or Inner Manufacturing Sys		Role	of Knov	vledge i	in Adva	nced			
J. Martin Corbett	* *								19
Ethical Issues Con	cerning E	xpert S	ystems	' Appli	cations	in Edu	cation		
Marvin J. Croy .									20
What Is a Materia	ls Data Sy	stem?							
Gustaf Östberg .									22
Open Forum									
An Analogy Betwee to Artificial Intellig		n Lega	l Tradi	tions a	nd App	roache	S		
Robert M. French									22
Limits to Computa	ation: The	Naive'	s Guide	e to Mo	st of C	omputi	ng Scie	nce!	
Dan Simpson .								* *	23
AI & Society and S	Society								
Lionel Snell .						* *			24
Book Reviews .					* *				25
News Section .									26



Volume 3, Number 4, October-December 1989

Contents

Editorial									
Satinder P. Gill									269
Cockpit Cognition: Edu	cation	, the N	I ilitary	and C	ognitiv	e Engir	neering		
Douglas D. Noble									271
Reflections on Participa	tory D	esign							
Karamjit S. Gill									297
Heuristics and Pedagog	y								
Jay Weinroth					* *				315
About the Sense of Soci	al Con	npatib	ility						
Karin Bohmann									323
Open Forum									
Quantum Computation Information Processing		antun	1 Leap	Towar	ds Und	erstand	ling Ne	ural	
Peter J. Marcer							* *		332
The AI Elephant									
Liu Feng									336
Artificial Intelligence a	nd Syn	nbols							
Chris Moss									345
Trends in the Developm 1986 to 1988	nent a	nd App	plicatio	n of Ex	pert S	ystems	in Japa	n:	
Yoshimitsu Hirai	* *						• •		357
Book Reviews								• •	365
News Section			• •						370
Indexes to Volume 3									371



